POISSON Codes Available on ANLHEP

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The latest versions of the POISSON family of programs have been imported from Los Alamos, which is maintaining the "standard" versions of these codes. These programs have been compiled and linked into execute files on the ANLHEP VAX. These programs are available for execution by any user and the Fortran files may be read by users in the C5211003 group. The directory for accessing these programs is

HEP2:[AR.KRAMER.POISSON]

and the execute files are

Status	Filename	Description
Tested	AUTOMESH.EXE	
Tested	LATTICE.EXE	
	FISH.EXE	(Superfish)
	FORCE.EXE	
	MIRT.EXE	
	POISSON.EXE	
Tested	PANDIRA.EXE	
	SFOZ.EXE	(sometimes called SF01)
Tested	TEKPLOT.EXE	plotting program

To access these programs more easily you might wish to add

$ASSIGN HEP2:[AR.KRAMER.POISSON] POIS

to your LOGIN.COM file and then simply type

$RUN POIS:AUTOMESH

to run the AUTOMESH program and similarly for the other programs. This will have the same result as typing

$RUN HEP2:[AR.KRAMER.POISSON]AUTOMESH

You can also set up the global symbol

$TEKP:==RUN   HEP2:[AR.KRAMER.POISSON]TEKPLOT

so that you can run the TEKPLOT program simply by typing

$TEKP

Similar symbols can be defined for the other programs.

If you find any problems with these programs, please let me know (ANLHEP::KRAMER) and I will communicate them to Los Alamos, since they would like to have a point contact at each institution to handle program maintenance.

The present documentation on these programs are not very good for beginners but should be improving in the future. The documentation available are

"POISSON GROUP PROGRAMS - User's Guide" by Los Alamos National Lab., February 14, 1981

"POISSON & Co. Notes" by R. Holsinger (no date)

They are available from Joyce Wakeling (2-6620).